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Requester's Full Name: P. Laufer Examiner#: \_\_\_\_\_ Date: 5/28/02  
Art Unit: 2100 Phone Number: 306-4160 Serial Number: 10/049093  
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If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

6112, 202

\*\*\*\*\*  
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Searcher: A Green  
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Date Searcher Picked Up: 5/28/02  
Date Completed: 5/31/02  
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Type of search

NA Sequence (#) \_\_\_\_\_  
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Vendors and cost where applicable

STN \_\_\_\_\_  
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Questel/Orbit 28.08  
Dr. Link \_\_\_\_\_  
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Other (specify) \_\_\_\_\_

1 of 1 DOCUMENT

6,112,202

GET 1st DRAWING SHEET OF 5

Aug. 29, 2000

Method and system for identifying authoritative information  
resources in an environment with content-based links between  
information resources

REISSUE:

Reissue Application filed Jan. 8, 2002, (O.G. May 28, 2002) Ex. Gp.: 2171;  
Re. S.N. 10/042,093

INVENTOR:

Kleinberg, Jon Michael, Los Gatos, California

ASSIGNEE-AT-ISSUE:

International Business Machines Corporation, Armonk, New York (02)

APPL-NO:

813,749

FILED:

Mar. 7, 1997

INT-CL:

[7] G06F 17#30

US-CL:

707#5; 707#9; 707#101

SEARCH-FLD:

707#1, 2, 4, 5, 10, 100, 101, 102, 501

PRIM-EXMR:

Black, Thomas G.

ASST-EXMR:

Loomis, John

LEGAL-REP:

Tran; Khanh Q.

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: ALL**

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**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

?us6112202/pn

\*\* SS 5: Results 1

Search statement 6

?prt full nonstop legalall

1/1 PLUSPAT - (C) QUESTEL-ORBIT

PN - US6112202 A 20000829 [US6112202]

TI - (A) Method and system for identifying authoritative information resources in an environment with content-based links between information resources

PA - (A) IBM (US)

IN - (A) KLEINBERG JON MICHAEL (US)

AP - US81374997 19970307 [1997US-0813749]

PR - US81374997 19970307 [1997US-0813749]

IC - (A) G06F-017/30

EC - G06F-017/30W1

PCL - ORIGINAL (O) : 707005000; CROSS-REFERENCE (X) : 707009000 707101000

DT - Basic

CT - US5257185; US5446891; US5778363; US5826031; US5835905

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STG - (A) United States patent

AB - A system and method are provided for searching for desired items from a network of information resources. In particular, the system and method have advantageous applicability to searching for World Wide Web pages having desired content. An initial set of pages are selected, preferably by running a conventional keyword-based query, and then further selecting pages pointing to, or pointed to from, the pages found by the keyword-based query. Alternatively, the invention may be applied to a single page, where the initial set includes pages pointed to by the single page and pages which point to the single page. Then, iteratively, authoritativeness values are computed for the pages of the initial set, based on the number of links to and from the pages. One or more communities, or "neighborhoods", of related pages are defined based on the authoritativeness values thus produced. Such communities of pages are likely to be of particular interest and value to the user who is interested in the keyword-based query or the single page.

UP - 2000-35

1/1 LGST - (C) LEGSTAT

PN - US 6112202 [US6112202]

AP - US 813749/97 19970307 [1997US-0813749]

DT - US-P

ACT - 19970307 US/AE-A

APPLICATION DATA (PATENT)

{US 813749/97 19970307 [1997US-0813749]}

- 20000829 US/A

PATENT

UP - 2000-39

?fam us6112202/pn

1 Patent Groups  
\*\* SS 4: Results 1

Search statement 5

?famstate nonstop

1/1 INPADOC - (C) INPADOC  
PN - US 6112202 A 20000829 [US6112202]  
TI - METHOD AND SYSTEM FOR IDENTIFYING AUTHORITATIVE INFORMATION RESOURCES  
IN AN ENVIRONMENT WITH CONTENT-BASED LINKS BETWEEN INFORMATION  
RESOURCES  
IN - KLEINBERG JON MICHAEL [US]  
PA - IBM [US]  
AP - US 813749/97-A 19970307 [1997US-0813749]  
PR - US 813749/97-A 19970307 [1997US-0813749]  
IC - G06F-017/30

1/1 LEGALI - (C) LEGSTAT  
PN - US 6112202 [US6112202]  
AP - US 813749/97 19970307 [1997US-0813749]  
DT - US-P  
ACTE- 19970307 US/AE-A  
APPLICATION DATA (PATENT)  
{US 813749/97 19970307 [1997US-0813749]}  
- 20000829 US/A  
PATENT  
UP - 2000-39